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APPLICANT : GREEN CROSS CORP:THE;

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TITLE : INACTIVATION OF VIRUS

ABSTRACT : PURPOSE: To prevent reduction in activity of plasminogen and formation of low-molecular substance in inactivating viruses in an aqueous solution containing plasminogen in the presence of ϵ -aminocaproic acid (salt) by heat treatment by adjusting the aqueous solution to a specific pH range.

CONSTITUTION: ϵ -Aminocaproic acid or a salt thereof is added to an aqueous solution containing a plasminogen such as plasminogen derived from human plasma or plasminogen obtained by gene recombination so as to give 0.002-2M, preferably 0.01-1.0M final concentration of aminocaproic acid or the salt thereof, the aqueous solution is adjusted to pH4-6, preferably 4.5-5.5 and heat-treated at 50-100°C, preferably 60-75°C for 3-30 hours, preferably 10-20 hours to inactivate viruses admixing in the plasminogen.

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